MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
By Carol Day at 9:48 am, Dec 30, 2014

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN	PRINTER SN	DATE OF INSPECTION
087973	087973	12-29-14
LOCATION OF INSTRUMENT (STREET AND CITY)		TIME OF INSPECTION
5005 Oak Street Kansas City		23:20 hour

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

- [x] DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
- [x] TEMPERATURE OF ALCO SENSOR (10°C - 40°C) 24°C
- [x] PRINTER WORKING PROPERLY Pass
- [x] TIME AND DATE DISPLAYING PROPERLY Pass

BREATH ALCOHOL ACCURACY STANDARDS

- [x] SIMULATOR SOLUTION
- [ ] COMPRESSED ETHANOL-GAS MIXTURE
- [x] STANDARD SUPPLIER Guth LOT # 13280 EXP. DATE 10-14-15
- [x] SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN 502681 SIMULATOR EXP DATE 6-14-2015
- [x] CALIBRATION CHECK – **(ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)**
  Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)
  - [x] 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
  - [ ] 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
  - [ ] 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1	TEST 2	TEST 3
.098%	.099%	.099%

- [x] RFI DETECTOR OPERATING Pass

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT: (DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	(0-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
0	0	0	0	0	0

List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

None

INSPECTING OFFICER

SIGNATURE	PRINT NAME
Jeffrey Cooper	Jeffrey Cooper
TYPE II PERMIT NUMBER/EXPIRATION DATE	TELEPHONE NUMBER
240350 10-03-2016	816 235-1515

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office
2875 James Boulevard
Poplar Bluff, MO 63901

GUTH LABORATORIES, INC.
600 NORTH 67th STREET • HARRISBURG, PA 17111-4811 • TELEPHONE: 717-564-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **13280** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2013,** using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1217%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 16, 2015** at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L +/- 3%.**

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President
GUTH LABORATORIES, INC.

NIST Traceability:
Testing was conducted using Certillant Reference Standard lot number FNI22211-02 whose values are traceable to NIST.
All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.

AS IV Serial no: 087973
Version no: 532B

TEST RECORD 00090

Temp	Date	Time	210L

Air Blank:
12/29/14 23:23 .000
Subject Test: Man
24 12/29/14 23:23 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 087973
Version no: 532B

TEST RECORD 00092

Temp	Date	Time	210L

Air Blank:
12/29/14 23:26 .000
Subject Test: Man
25 12/29/14 23:26 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 087973
Version no: 532B

TEST RECORD 00093

Temp	Date	Time	210L

VOID: RFI
12 12/29/14 23:28

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 087973
Version no: 532B

TEST RECORD 00091

Temp	Date	Time	210L

Air Blank:
12/29/14 23:25 .000
Subject Test: Man
25 12/29/14 23:25 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location